

\*\*\* NOTE: TO RETURN TO THIS PAGE, CLICK ON THE COUNTY SEAL \*\*\*

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED FEBRUARY 10, 2012

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED MAY 23, 2012

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED AUGUST 22, 2012

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED NOVEMBER 20, 2012

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED FEBRUARY 25, 2013

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED MAY 15, 2013

Á

ÔŠÔŠÁ PÒÜÒÁZUÜÁWÓŠÔÁ PÔŠVPÇÄÜÒÚUÜVÄÖÖVÖÖÄÖPWOÜYÁÍËGEFI Á

Á

ÔŠÔŠÁ PÒÜÒÁZUÜÁWÓŠÔÁ PÔŠVPÇÄÜÒÚUÜVÄÖÖVÖÖÄÖPWOÜYÁÍËGEFI Á

Á

CLICK HERE FOR PUBLIC HEALTH'S REPORT DATED NOVEMBER 5, 2014

Á

Á

CLICK HERE FOR STATUS OF THE FINAL REPORT IN RELATION TO AGENDA ITEM  
NO. 6 OF OCTOBER 4, 2016



**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**JONATHAN E. FREEDMAN**  
Chief Deputy Director

313 North Figueroa Street, Room 808  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.publichealth.lacounty.gov](http://www.publichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

February 10, 2012

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H. *J. Fielding*  
Director and Health Officer

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING**

On November 29, 2011, on a motion by Supervisor Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its monitoring activities, including findings and actions taken to address water quality issues. Attached is the first of such reports, covering the period of July 1 to September 30, 2011. The report summarizes water quality findings in small water systems throughout the County, and outlines the actions taken by DPH Environmental Health Division in response to these findings.

If you should have any questions or would like additional information, please let me know.

JEF:km  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

**Quarterly Report on Water Quality Monitoring for  
Small Water Systems in Los Angeles County**

**July 1 to September 30, 2011**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
January 2012

## **BACKGROUND**

On November 29, 2011, the Los Angeles County Board of Supervisors instructed the Department of Public Health (DPH) to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This is the first of such reports, covering the period July 1 to September 30, 2011.

On July 13, 2010, the Board instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of arsenic, total chromium, hexavalent chromium (chromium+6), and lead as a follow up study to the study published on February 14, 2001.

DPH's Drinking Water Program (DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DWP currently inspects 185 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies. The water system operators are required to report monitoring results to the DWP at frequencies established by the CDPH. Failure to take water samples or properly report sampling data constitutes a violation enforceable by the DWP.

When water quality test results indicate that (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DWP works with the CDPH to enforce State Law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance, while public notices continue to be posted. Throughout this process, the DWP continues to educate and work with the water system regarding the installation of a treatment system and/or a new water source. Additionally, since the expense of installing a treatment system or a new well is typically a concern for small water systems, the DWP frequently assists water systems in applying for financial assistance from the State of California.

## BACTERIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State Law. During the reporting period, the DWP issued sixty-two (62) Notices of Violation and Order for lapses in bacteriological sampling.

Table 1: Small Water Systems in violation of the State requirement to perform bacteriological analyses.

System ID	Small Water System	City
1900904	ACTON CONSERVATION CAMP # 11	ACTON
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900658	ACTON REHAB CENTER- LA COUNTY ISD	ACTON
1907004	ACTON-AGUA DULCE LDS CHURCH	AGUA DULCE
1900009	ADAMS RANCH MUTUAL	ROSEMEAD
1907024	AGUA DULCE FOURSQUARE CHURCH (Living Springs)	AGUA DULCE
1900768	AGUA DULCE GENERAL STORE	AGUA DULCE
1909646	AGUA DULCE WINERY/VINEYARDS	AGUA DULCE
1900942	ALPINE SPRINGS MOBILE HOME PARK	PALMDALE
1900761	ANGELES SHOOTING RANGES	SAN FERNANDO
1900228	BIG DALTON DAM	GLENDORA
1900224	BIG SANTA ANITA CANYON DAM	ARCADIA
1900547	BSA-FIRESTONE SCOUT RESERVATION	BREA
1900007	CALIFORNIA CONSERVATION CAMP # 14	SAUGUS
1900834	CAMP EATON	ANGELES NATIONAL FOREST
1900613	CAMP HI HILL	ANGELES NATIONAL FOREST
1900603	CAMP JOSEPHO-BSA	PACIFIC PALISADES
1900201	CAMP LOUIS ROUTH	TUJUNGA
1907026	CAMP MILLER & KILPATRICK	MALIBU
1900620	CAMP VALCREST	LA CANADA FLINTRIDGE
1900529	CAMP WILLIAMS- RESORT	AZUSA
1900089	CAMPS MUNZ & MEDNENHALL	LAKE HUGHES
1900305	CHALLENGER MEMORIAL YOUTH CENTER	LANCASTER
1900227	COGSWELL DAM	AZUSA
1907034	CRESCENT VALLEY MOBILE HOME PARK	NEWHALL
1900712	DAEHAN CHRISTIAN SOODOWON	PALMDALE
1900130	DEL RIO MUTUAL	EL MONTE
1907020	FIRE CAMP 9	SANTA CLARITA
1900901	FIRE SUPPRESSION CAMP 19	AZUSA
1907011	FLYING J TRAVEL CENTER	LEBEC

<b>System ID</b>	<b>Small Water System</b>	<b>City</b>
1900099	FORESTER HAVEN CALIFORNIA	SAN FERNANDO
1900730	GARDENS OF PARADISE (Vasquez)	AGUA DULCE
1900912	GORMAN ELEMENTARY SCHOOL/DISTRICT OFFICE	GORMAN
1900639	HALLELUJAH PRAYER CENTER (Hathaway-Sycamores)	LAKE VIEW TERRACE
1900578	HAWTHORNE YOUTH CAMP	WRIGHTWOOD
1900246	JUMP FOR JOY (Ozark Mountain Ranch)	SANTA CLARITA
1900977	KCAL TV AND FM STATION	MOUNT WILSON
1900226	KCBS	ANGELES NATIONAL FOREST
1907015	KIRK BUSINESS CENTER	AGUA DULCE
1900303	LLANO MUTUAL WATER COMPANY	LLANO
1900944	MILE HIGH WATER ASSOCIATION	VALYERMO
1900127	MOUNT WATERMAN SKI RESORT	LA CANADA FLINTRIDGE
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1900537	OAK GROVE TRAILER PARK	AGUA DULCE
1900868	RIVERS END TRAILER PARK	CANYON COUNTRY
1900231	SAN DIMAS CANYON DAM	LA VERNE
1900230	SAN GABRIEL CANYON DAM	AZUSA
1900229	SAWPIT DAM	MONROVIA
1900021	SIERRA INN	AGUA DULCE
1910158	STERLING MUTUAL WATER COMPANY	EL MONTE
1900677	STICKLE BACK RANCH (Oasis Park MHP)	SAUGUS
1900126	THE ROBIN'S NEST RECR. RESORT	ACTON
1900034	THE SIERRA HIGHWAY SHELL STATION	CANYON COUNTRY
1900207	TRAIL CANYON EQUESTRIAN	TUJUNGA
1900612	UNITED METHODIST CAMP COLBY	PALMDALE
1900220	U.S. FOREST SERVICE ANGELES CREST STATION	ANGELES NATIONAL FOREST
1900528	U.S. FOREST SERVICE CHARLTON FLATS A-8	ANGELES NATIONAL FOREST
1907019	U.S. FOREST SERVICE LOS ALAMOS S-15	GORMAN
1900937	U.S. FOREST SERVICE PYRAMID LAKE S-14	GORMAN
1900599	VALHALLA WATER ASSOCIATION	TUJUNGA
1907013	WAGON WHEEL PLAZA -SWEETWATER	AGUA DULCE
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

The DWP has notified each water system to ensure that water samples are collected immediately. The DWP educates and provides assistance when financially disadvantaged water systems are unable to test their water.

#### B. Exceedances of the Bacteriological Standard

The DWP also issues corrective orders to small water systems for exceeding the Bacteriological Standard. During the reporting period, the DWP issued nine (9) Notices of Violation and Order for bacteriological exceedances.

Table 2: Small Water Systems in violation of the State's Drinking Water Standards for bacteriological levels.

System ID	Small Water System	City
1900707	AGUA DULCE ELEMENTARY SCHOOL	AGUA DULCE
1900527	CLEAR CREEK OUTDOOR EDUCATIONAL CENTER	ANGELES NATIONAL FOREST
1900817	CLEAR SKIES MOBILE HOME RANCH	LANCASTER
1900912	GORMAN ELEMENTARY SCHOOL/DISTRICT OFFICE	GORMAN
1900154	TIERRA BONITA MUTUAL WATER COMPANY	LANCASTER
1900239	TWEEDY LAKE CORPORATION	LAKE HUGHES
1900571	U.S. FOREST SERVICE CHILAO MAIN A-9	ANGELES NATIONAL FOREST
1900155	WILSONA GARDENS MUTUAL	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Three of the 185 small water systems (Clear Creek Outdoor Educational Center, U.S. Forest Service Chilao Main, and Wilsona Gardens Mutual) had laboratory test results that were positive for *E. coli*, a potential pathogen. Six tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*. Both coliform bacteria and *E. coli* have been absent in subsequent testing in all of these small water systems.

### **CHEMICAL WATER QUALITY**

#### A. Exceedances of the Arsenic Standard

During the reporting period, the DWP issued eight Notices of Violation and Order for exceedances of the Arsenic Standard.

Table 3: Small Water Systems in violation of the State's Drinking Water Standards for Arsenic.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC

Small water systems that have had chronic exceedances of the Arsenic Standard are required to continue notification of their customers. During the reporting period, the DWP maintained increased surveillance at seven (7) small water systems that have previously been notified regarding Arsenic levels historically exceeding the Standard.

Table 4: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Arsenic.

System ID	Small Water System	City
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1909007	OUR LADY OF FATIMA	ARTESIA
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900756	WARM SPRINGS REHABILITATION CENTER	CASTAIC
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

#### B. Exceedances of the Nitrate Standard

During the reporting period, the DWP maintained increased surveillance at three small water systems that have previously been notified regarding Nitrate levels historically exceeding the Standard. These small water systems are also required to continue notification of their customers.

Table 5: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1900756	WARM SPRINGS REHABILITATION CENTER	CASTAIC

## SUMMARY

Sixty-two small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. Nine small water systems were cited for exceeding the Bacteriological Standard during this period. Eight small water systems were cited during the reporting period for exceedances of the Arsenic Standard. Increased sampling and public notification continued at seven small water systems with historical Arsenic exceedances and at three small water systems with historical Nitrate exceedances.

Laboratory analyses of water samples taken during the quarter ending December 31, 2011, will be completed by late January 2012. The DWP will subsequently report to the Board in March 2012.

Questions or inquiries about this report may be directed to Richard Lavin, Chief of the DWP, at (626) 430-5420.



**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**JONATHAN E. FREEDMAN**  
Chief Deputy Director

313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.publichealth.lacounty.gov](http://www.publichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

May 23, 2012

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H. *Jr Fielding MD*  
Director and Health Officer

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING**

On November 29, 2011, on a motion by Supervisor Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its monitoring activities, including findings and actions taken to address water quality issues. Attached is the second report covering the period of January 1 to March 30, 2012. The report summarizes water quality findings in small water systems throughout the County, and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

If you should have any questions or would like additional information, please let me know.

JEF:jm  
PH:1111:009

Attachment

c: Chief Executive Officer  
Acting County Counsel  
Executive Officer, Board of Supervisors

**Quarterly Report on Water Quality Monitoring for  
Small Water Systems in Los Angeles County**

**January 1 to March 31, 2012**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
May 2012

On July 13, 2010, the County of Los Angeles Board of Supervisors (Board) instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the Los Angeles County to determine the presence of arsenic, total chromium, hexavalent chromium (chromium+6), and lead as a follow up study to the study published on February 14, 2001.

## BACKGROUND

On November 29, 2011, the Board instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period January 01 to March 31, 2012.

The Los Angeles County Department of Public Health Drinking Water Program (DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies. The water system operators are required to report monitoring results to the DWP at frequencies established by the CDPH. Failure to take water samples or to properly report sampling data constitutes a violation enforceable by the DWP.

When water quality test results indicate that (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DWP works with the CDPH to enforce State Law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DWP continues to educate and work with the water system regarding the installation of treatment systems and utilizing new water sources. Additionally, the DWP has continued to seek financial assistance from the State.

## BACTERIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State Law. During the reporting period, the DWP issued twenty-five (25) Notices of Violation and Order for lapses in bacteriological sampling.

Table 1: Small Water Systems in violation of the State requirement to perform bacteriological analyses.

System ID	Small Water System	City
1907024	AGUA DULCE FOURSQUARE CHURCH LIVING SPRINGS	AGUA DULCE
1900768	AGUA DULCE GENERAL STORE	AGUA DULCE
1900761	ANGELES SHOOTING RANGES	SAN FERNANDO
1900547	BSA-FIRESTONE SCOUT RESERVATION	BREA
1900529	CAMP WILLIAMS-RESORT	AZUSA
1900831	DECKER CANYON YOUTH CAMP	MALIBU
1907011	FLYING J TRAVEL CENTER	LEBEC
1900099	FORESTER HAVEN CALIFORNIA	SAN FERNANDO
1900730	GARDENS OF PARADISE	AGUA DULCE
1900767	GOLDEN VALLEY MUNICIPAL WATER DISTRICT	GORMAN
1900639	HALLELUJAH PRAYER CENTER	LAKE VIEW TERRACE
1900142	JOSHUA ACRES MUTUAL	PALMDALE
1900977	KCAL TV AND FM STATION	MOUNT WILSON
1900226	KCBS	ANGELES NATIONAL FOREST
1900699	MILLARD CANYON IMPROVEMENT ASSOCIATION	ALTADENA
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1900537	OAK GROVE TRAILER PARK	AGUA DULCE
1900868	RIVERS END TRAILER PARK	CANYON COUNTRY
1900229	SAWPIT DAM	MONROVIA
1910158	STERLING MUTUAL WATER COMPANY	EL MONTE
1900616	THE RIVER COMMUNITY	AZUSA
1900207	TRAIL CANYON EQUESTRIAN	TUJUNGA
1900599	VALHALLA WATER ASSOCIATION	TUJUNGA
1907013	WAGON WHEEL PLAZA-SWEETWATER	AGUA DULCE

The DWP has notified each water system to ensure that water samples are collected immediately. The DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

## B. Exceedances of the Bacteriological Standard

The DWP also issues corrective orders to small water systems for exceeding the Bacteriological Standard. During the reporting period, the DWP issued one (1) Notice of Violation and Order for bacteriological exceedances.

Table 2: Small Water Systems in violation of the State's Drinking Water Standards for bacteriological levels.

System ID	Small Water System	City
1900304	DEL SUR GARDENS TRAILER PARK	LANCASTER

Del Sur Gardens tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Further laboratory analyses confirmed that *E. coli* was absent from their water test results. Both coliform bacteria and *E. coli* have been absent in subsequent testing of this small water system.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the Arsenic Standard are required to continue notification of their customers. During the reporting period, the DWP maintained increased surveillance at thirteen (13) small water systems that have previously been notified regarding Arsenic levels historically exceeding the Standard (10 parts per billion).

Table 3: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Arsenic.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Warm Springs Rehabilitation Center (Water System 1900756) has been closed by its operators (the Los Angeles County SAPC) and is no longer using their well as a potable water supply. As a result, they are no longer required to maintain public notification regarding Arsenic in their well water.

New Apostolic Church Bouquet Canyon (Water System 1907036) has proposed a system for the treatment of Arsenic in their potable water supply. The DWP is currently reviewing the proposal in conjunction with a California Licensed Water Filtration Contractor.

#### B. Exceedances of the Nitrate Standard

During the reporting period, the DWP maintained increased surveillance at two small water systems that have previously been notified regarding Nitrate levels historically exceeding the Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

Table 4: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Warm Springs Rehabilitation Center (Water System 1900756) has been closed by its operators and is no longer using their well as a potable water supply. As a result, they are no longer required to maintain public notification regarding Nitrate in their well water.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

#### SUMMARY

Twenty-five small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. One small water system was cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at thirteen small water systems with historical Arsenic exceedances and at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the April to June quarter will be completed by late July 2012. The DWP will provide the report for that quarter on August 15, 2012.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.



COUNTY OF LOS ANGELES

**Public Health**

**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**JONATHAN E. FREEDMAN**  
Chief Deputy Director

313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.publichealth.lacounty.gov](http://www.publichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

August 22, 2012

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H. *JEF*  
Director and Health Officer

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING**

On November 29, 2011, on a motion by Supervisor Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its monitoring activities, including findings and actions taken to address water quality issues. Attached is the third report, covering the period of April 1 to June 30, 2012. The report summarizes water quality findings in small water systems throughout the County, and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

If you should have any questions or would like additional information, please let me know.

JEF:jm  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

**Quarterly Report on Water Quality Monitoring for  
Small Water Systems in Los Angeles County**

**April 1 to June 30, 2012**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
August 2012

## **BACKGROUND**

On July 13, 2010, the County of Los Angeles Board of Supervisors (Board) instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of arsenic, total chromium, hexavalent chromium (chromium+6), and lead as a follow up study to the study published on February 14, 2001.

The Los Angeles County Department of Public Health Drinking Water Program (DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies. The water system operators are required to report monitoring results to the DWP at frequencies established by the CDPH. Failure to take water samples or to properly report sampling data constitutes a violation enforceable by the DWP.

When water quality test results indicate that (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DWP works with the CDPH to enforce State Law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DWP continues to educate and work with the water system regarding the installation of treatment systems and utilizing new water sources. Additionally, the DWP has continued to seek financial assistance from the State.

On November 29, 2011, the Board instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period April 01 to June 30, 2012.

## **BACTERIOLOGICAL WATER QUALITY**

### **A. Bacteriological Sampling Requirement**

The DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State Law. During the reporting period, the DWP issued Notices of Violation and Order to seventeen (17) water systems for lapses in bacteriological sampling.

Table 1: Small Water Systems in violation of the State requirement to perform bacteriological analyses.

<b>System ID</b>	<b>Small Water System</b>	<b>City</b>
1900768	AGUA DULCE GENERAL STORE	AGUA DULCE
1900761	ANGELES SHOOTING RANGES	SAN FERNANDO
1900831	DECKER CANYON YOUTH CAMP	MALIBU
1900099	FORESTER HAVEN CALIFORNIA	SAN FERNANDO
1900730	GARDENS OF PARADISE	AGUA DULCE
1900977	387' TOWER AMSL 6176 (~KCAL)	MOUNT WILSON
1900226	899' TOWER AMSL 6631 (~KCBS)	MOUNT WILSON
1900820	LANG RANCH SHOPPING CENTER	VASQUEZ ROCKS
1900944	MILE HIGH WATER ASSOCIATION	VALYERMO
1900699	MILLARD CANYON IMPROVEMENT ASSOCIATION	ALTADENA
1900864	NEWCOMB'S RANCH INN	ANGELES NATIONAL FOREST
1900537	OAK GROVE TRAILER PARK	AGUA DULCE
1907029	RANCHO SIERRA ACRES	LANCASTER
1900868	RIVERS END TRAILER PARK	CANYON COUNTRY
1900057	ST. ANDREWS ABBEY	VALYERMO
1900591	STURTEVANT CAMP UNITED METHODIST	ANGELES NATIONAL FOREST
1900207	TRAIL CANYON EQUESTRIAN	TUJUNGA

The DWP has notified each water system to ensure that water samples are collected immediately. The DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

#### B. Exceedances of the Bacteriological Standard

The DWP also issues corrective orders to small water systems for exceeding the Bacteriological Standard. During the reporting period, the DWP issued five (5) Notices of Violation and Order for bacteriological exceedances.

Table 2: Small Water Systems in violation of the State's Drinking Water Standards for bacteriological levels.

<b>System ID</b>	<b>Small Water System</b>	<b>City</b>
1900649	GOLDEN SANDS MOBILE HOME PARK	LANCASTER
1900815	PIUTE MUTUAL WATER COMPANY	LANCASTER
1900220	USFS-ANGELES CREST RANGER STATION	ANGELES NATIONAL FOREST
1900554	USFS-LITTLE JIMMY STATION	ANGELES NATIONAL FOREST
1900576	USFS-MONTE CRISTO CAMP	PALMDALE

All five water systems listed tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Further laboratory analyses confirmed that *E. coli* was absent from their water test results. Both coliform bacteria and *E. coli* have been absent in subsequent testing of these small water systems.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the Arsenic Standard are required to continue notification of their customers. During the reporting period, the DWP maintained increased surveillance at thirteen (13) small water systems that have previously been notified regarding Arsenic levels historically exceeding the Standard (10 parts per billion).

Table 3: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Arsenic.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has installed a system for the treatment of Arsenic in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

New Apostolic Church Bouquet Canyon (Water System 1907036) has proposed a system for the treatment of Arsenic in their potable water supply. The DWP is currently reviewing the proposal in conjunction with a California Licensed Water Filtration Contractor.

### B. Exceedances of the Nitrate Standard

During the reporting period, the DWP maintained increased surveillance at two (2) small water systems that have previously been notified regarding Nitrate levels historically exceeding the Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

Table 4: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

## **SUMMARY**

Seventeen small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. Five small water systems were cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at thirteen small water systems with historical Arsenic exceedances and at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the July to September quarter will be completed by late October 2012. The DWP will provide the report for that quarter on November 15, 2012.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.



**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**CYNTHIA A. HARDING, M.P.H.**  
Acting Chief Deputy Director

313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.publichealth.lacounty.gov](http://www.publichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

November 20, 2012

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H. *J. E. Fielding*  
Director and Health Officer

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING**

On November 29, 2011, on a motion by Supervisor Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its monitoring activities, including findings and actions taken to address water quality issues. Attached is the third of such reports, covering the period of July 1 to September 30, 2012. The report summarizes water quality findings in small water systems throughout the county, and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

If you have any questions or would like additional information, please let me know.

JEF:jm  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

**Quarterly Report on Water Quality Monitoring for  
Small Water Systems in Los Angeles County**

**July 1 to September 30, 2012**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
November 2012

## BACKGROUND

On July 13, 2010, the County of Los Angeles Board of Supervisors (Board) instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of arsenic, total chromium, hexavalent chromium (chromium+6), and lead as a follow up study to the study published on February 14, 2001.

The Los Angeles County Department of Public Health Drinking Water Program (DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies. The water system operators are required to report monitoring results to the DWP at frequencies established by the CDPH. Failure to take water samples or to properly report sampling data constitutes a violation enforceable by the DWP.

When water quality test results indicate that (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DWP works with the CDPH to enforce State Law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DWP continues to educate and work with the water system regarding the installation of treatment systems and utilizing new water sources. Additionally, the DWP has continued to seek financial assistance from the State.

On November 29, 2011, the Board instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period July 01 to September 30, 2012.

## BACTERIOLOGICAL/MICROBIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State Law. During the reporting period, the DWP issued Notices of Violation and Order to eighteen (18) water systems for lapses in bacteriological sampling.

Table 1: Small Water Systems in violation of the State requirement to perform bacteriological analyses.

System ID	Small Water System	City
1900977	387' Tower AMSL 6176 (~kcal)	MOUNT WILSON
1900226	899' Tower AMSL 6631 (~kcbs)	ANGELES NATIONAL FOREST
1907004	ACTON-AGUA DULCE LDS CHURCH	AGUA DULCE
1900009	ADAMS RANCH MUTUAL	ROSEMEAD
1900547	BSA-FIRESTONE SCOUT RESERVATION	BREA
1900893	CAMP BLOOMFIELD	MALIBU
1900831	DECKER CANYON YOUTH CAMP	MALIBU
1900130	DEL RIO MUTUAL	EL MONTE
1900730	GARDENS OF PARADISE	AGUA DULCE
1900553	HART HIGH / PLACERITA JR HIGH SCHOOL	VALENCIA
1900099	HOPE GARDENS FAMILY CENTER (~Forester Haven CA)	SAN FERNANDO
1907015	KIRK BUSINESS CENTER	AGUA DULCE
1900537	OAK GROVE TRAILER PARK	AGUA DULCE
1900231	SAN DIMAS CANYON DAM	LA VERNE
1900122	SE LOPEZ 1 Environmental Care Industries (~Valley Crest)	SAN FERNANDO
1900057	ST ANDREWS ABBEY	VALYERMO
1907023	The CHURCH OF HOPE of SCV (~Lily of the Valley)	SAUGUS
1900207	TRAIL CANYON EQUESTRIAN	TUJUNGA

The DWP has notified each water system to ensure that water samples are collected immediately. The DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

### B. Exceedances of the Bacteriological Standard

The DWP also issues corrective orders to small water systems for exceeding the Bacteriological Standard. During the reporting period, the DWP issued seven (7) Notices of Violation and Order for bacteriological exceedances.

**Table 2: Small Water Systems in violation of the State's Drinking Water Standards for bacteriological levels.**

System ID	Small Water System	City
1900553	HART HIGH SCHOOL/PLACERITA JUNIOR HIGH	VALENCIA
1900100	METTLER VALLEY MUTUAL WATER SYSTEM	LANCASTER
1900537	OAK GROVE TRAILER PARK	AGUA DULCE
1907029	RANCHO SIERRA ACRES	LANCASTER
1900907	SHERWOOD MOBILE HOME PARK	LANCASTER
1900914	USFS-SKYLINE PARK/MOUNT WILSON	ANGELES NATIONAL FOREST
1900155	WILSONA GARDENS MUTUAL WATER SYSTEM	LANCASTER

All of the water systems listed tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Further laboratory analyses confirmed that *E. coli* was present only in one sample at Hart High School and one sample at Mettler Valley Mutual Water System. Both coliform bacteria and *E. coli* have been absent in subsequent testing of these small water systems.

### C. Microbiological Treatment Requirement

Small water systems are designated as "Surface Water Systems" when they use water from streams, lakes, and open reservoirs. Similarly, small water systems are designated as "Groundwater Systems Under the Direct Influence of Surface Water" (GWUDI) when their wells are in close proximity to such features. These small water systems are required to implement multibarrier treatment. During the reporting period, the DWP maintained increased surveillance at six (6) small water systems that have previously been notified regarding their designation as Surface Water Systems or GWUDI Systems but have not completed full implementation of multibarrier treatment.

**Table 3: Small Water Systems designated as Surface Water and GWUDI that have not met the microbiological treatment requirements.**

System ID	Small Water System	City
1900904	ACTON CONSERVATION CAMP # 11	ACTON
1900007	CALIFORNIA CONSERVATION CAMP # 14	SAUGUS
1900901	FIRE SUPPRESSION CAMP 19	AZUSA
1900764	HENNINGER FLATS - LA COUNTY FIRE DEPT	ALTADENA
1900591	STURTEVANT CAMP, UNITED METHODIST	ANGELES NATIONAL FOREST
1900569	TRASK SCOUT RESERVATION- SAN GABRIEL	MONROVIA

The DWP is continuing to work with these water systems to develop and implement multibarrier treatment systems.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the Arsenic Standard are required to continue notification of their customers. During the reporting period, the DWP maintained increased surveillance at thirteen (13) small water systems that have previously been notified regarding Arsenic levels historically exceeding the Standard (10 parts per billion).

**Table 4: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Arsenic.**

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has installed a system for the treatment of Arsenic in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

New Apostolic Church Bouquet Canyon (Water System 1907036) has proposed a system for the treatment of Arsenic in their potable water supply. The DWP is currently reviewing the proposal in conjunction with a California Licensed Water Filtration Contractor.

### B. Exceedances of the Nitrate Standard

During the reporting period, the DWP maintained increased surveillance at two (2) small water systems that have previously been notified regarding Nitrate levels historically exceeding the Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

**Table 5: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Nitrate.**

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

## SUMMARY

Eighteen small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. Seven small water systems were cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at six small water systems designated as Surface Water and GWUDI. Increased surveillance and public notification continued at thirteen small water systems with historical Arsenic exceedances and at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the October to December quarter will be completed by late January 2013. The DWP will provide the report for that quarter on February 15, 2013.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.



**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**CYNTHIA A. HARDING, M.P.H.**  
Chief Deputy Director

313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.lapublichealth.lacounty.gov](http://www.lapublichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

February 25, 2013

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H.  
Director and Health Officer

A handwritten signature in dark ink, appearing to read "J. Fielding", written over the printed name of Jonathan E. Fielding.

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING**

On November 29, 2011, on a motion by Supervisor Michael D. Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its monitoring activities, including findings and actions taken to address water quality issues. Attached is the fourth report, covering the period from October 1 to December 31, 2012. The report summarizes water quality findings in small water systems throughout the county and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

If you should have any questions or would like additional information, please let me know.

JEF:rl  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

# **Quarterly Report on Water Quality Monitoring for Small Water Systems in Los Angeles County**

**October 1 to December 31, 2012**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
February 2013

## BACKGROUND

On July 13, 2010, the County of Los Angeles Board of Supervisors (Board) instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of arsenic, total chromium, hexavalent chromium (chromium+6), and lead as a follow up study to the study published on February 14, 2001.

The Los Angeles County Department of Public Health Drinking Water Program (DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies. The water system operators are required to report monitoring results to the DWP at frequencies established by the CDPH. Failure to take water samples or to report sampling data properly constitutes a violation enforceable by the DWP.

When water quality test results indicate that (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DWP works with the CDPH to enforce State Law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DWP continues to educate and work with the water system regarding the installation of treatment systems and utilizing new water sources. Additionally, the DWP has continued to seek financial assistance from the State.

On November 29, 2011, the Board instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period October 01 to December 31, 2012.

## BACTERIOLOGICAL/MICROBIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State Law. The DWP issued Notices of Violation and Order to thirteen (13) water systems for lapses in bacteriological sampling during the reporting period.

Table 1: Small Water Systems in violation of the State requirement to perform bacteriological analyses.

System ID	Small Water System	City
1900977	387' TOWER AMSL 6176	MOUNT WILSON
1900226	899' TOWER AMSL 6631	ANGELES NATIONAL FOREST
1907004	ACTON AGUA DULCE LDS CHURCH	AGUA DULCE
1900009	ADAMS RANCH MUTUAL	ROSEMEAD
1900008	BIG ROCK CREEK CAMP	VALYERMO
1900603	CAMP JOSEPHO-BSA	PACIFIC PALISADES
1900529	CAMP WILLIAMS RESORT	AZUSA
1900730	GARDENS OF PARADISE	AGUA DULCE
1900820	LANG RANCH SHOPPING CENTER	VASQUEZ ROCKS
1907014	NORTH TRAILS MUTUAL WATER CO	AGUA DULCE
1900868	RIVERS END TRAILER PARK	CANYON COUNTRY
1900231	SAN DIMAS CANYON DAM	LA VERNE
1900207	TRAIL CANYON EQUESTRIAN	TUJUNGA

The DWP has notified each water system to ensure that water samples are collected immediately. The DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

### B. Exceedances of the Bacteriological Standard

The DWP also issues corrective orders to small water systems for exceeding the Bacteriological Standard. During the reporting period, The DWP issued one (1) Notice of Violation and Order for bacteriological exceedances.

**Table 2: Small Water Systems in violation of the State's Drinking Water Standards for bacteriological levels.**

System ID	Small Water System	City
1900583	USFS-JACKSON LAKE V-4	WRIGHTWOOD

Jackson Lake tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Laboratory analyses confirmed that *E. coli* was present in only one sample taken from Jackson Lake. Subsequent testing confirmed both coliform bacteria and *E. coli* were not present in this small water system.

### C. Microbiological Treatment Requirement

Small water systems are designated as "Surface Water Systems" when they use water from streams, lakes, and open reservoirs. Similarly, small water systems are designated as "Groundwater Systems Under the Direct Influence of Surface Water" (GWUDI) when their wells are in close proximity to such features. These small water systems are required to implement multi-barrier treatment. During the reporting period, the DWP maintained increased surveillance at six (6) small water systems that have previously been notified regarding their designation as Surface Water Systems or GWUDI Systems but have not completed full implementation of multi-barrier treatment.

**Table 3: Small Water Systems designated as Surface Water and GWUDI that have not met the microbiological treatment requirements.**

System ID	Small Water System	City
1900904	ACTON CONSERVATION CAMP # 11	ACTON
1900007	CALIFORNIA CONSERVATION CAMP # 14	SAUGUS
1900901	FIRE SUPPRESSION CAMP # 19	AZUSA
1900764	HENNINGER FLATS – LA COUNTY FIRE DEPT	ALTADENA
1900591	STURTEVANT CAMP, UNITED METHODIST	ANGELES NATIONAL FOREST
1900569	TRASK SCOUT RESERVATION- SAN GABRIEL	MONROVIA

The DWP is continuing to work with these water systems to develop and implement multibarrier treatment systems.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the Arsenic Standard are required to continue notification of their customers. Although State law does not require public notification for all of the following water systems, the DWP has been proactive in its response requiring public notification for all water systems within its jurisdiction. During the reporting period, the DWP maintained increased surveillance at thirteen (13) small water systems that have previously been notified regarding Arsenic levels historically exceeding the Standard (10 parts per billion).

Table 4: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Arsenic.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Arsenic in their potable water supply. The DWP is currently reviewing the proposal in conjunction with the CDPH. An alternative water supply is being provided while the system is under review.

New Apostolic Church Bouquet Canyon (Water System 1907036) has proposed a system for the treatment of Arsenic in their potable water supply. The DWP is currently reviewing the proposal in conjunction with a California Licensed Water Filtration Contractor.

## B. Exceedances of the Nitrate Standard

During the reporting period, the DWP maintained increased surveillance at two (2) small water systems that have previously been notified regarding Nitrate levels historically exceeding the Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

Table 5: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Nitrate in their potable water supply. The DWP is currently reviewing the proposal in conjunction with the CDPH. An alternative water supply is being provided while the system is under review.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.

## SUMMARY

Thirteen (13) small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. One small water system was cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at six small water systems designated as Surface Water and GWUDI. Increased surveillance and public notification continued at thirteen small water systems with historical Arsenic exceedances. Increased surveillance and public notification continued at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the January to March quarter will be completed by late April 2013. The DWP will provide the report for that quarter on May 31, 2013.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.



**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**CYNTHIA A. HARDING, M.P.H.**  
Chief Deputy Director

313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.lapublichealth.lacounty.gov](http://www.lapublichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

May 15, 2013

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H.  
Director and Health Officer

A handwritten signature in black ink, appearing to read "jef", followed by a stylized flourish.

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING**

On November 29, 2011, on a motion by Supervisor Michael D. Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its monitoring activities, including findings and actions taken to address water quality issues. Attached is the fifth quarterly report, covering the period from January 1 to March 31, 2013. The report summarizes water quality findings in small water systems throughout the county and outlines the actions taken by the DPH Environmental Health Division in response to the findings.

The laboratory analysis of water samples taken during the April to June quarter will be completed in late July 2013. The DWP will provide the sixth quarter on August 31, 2013.

If you should have any questions or would like additional information, please let me know.

JEF:rl  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

**Quarterly Report on Water Quality Monitoring for  
Small Water Systems in Los Angeles County**

**January 1 to March 31, 2013**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
May 2013

## **BACKGROUND**

On November 29, 2011, the County of Los Angeles Board of Supervisors (Board) instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period January 1 to March 31, 2013.

On July 13, 2010, the Board instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of arsenic, total chromium, hexavalent chromium (chromium+6), and lead as a follow up study to the study published on February 14, 2001.

The Los Angeles County Department of Public Health Drinking Water Program (DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. The California Department of Public Health (CDPH) defines a small water system as one that has less than 200 service connections. Currently, the DWP inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies. The water system operators are required to report monitoring results to the DWP at frequencies established by the CDPH. Failure to take water samples or to report sampling data properly constitutes a violation enforceable by the DWP.

When water quality test results indicate that (a) the system does not meet State Drinking Water Standards or (b) an immediate health risk is present, the water system operator is required to: notify consumers immediately and take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DWP works in conjunction with the CDPH to enforce State Law and assists the small water systems in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the small water system is placed under increased surveillance while public notices continue to be posted. The DWP will educate and work with the small water system in violation regarding the installation of treatment systems and utilizing new water sources. The DWP has continued to seek financial assistance from the State for the small water systems.

## BACTERIOLOGICAL/MICROBIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State Law. The DWP issued Notices of Violation and Order to the following eleven (11) water systems for lapses in bacteriological sampling during the reporting period. The DWP has notified each water system to ensure that water samples are collected immediately. The DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

Table 1: Small Water Systems in violation of the State requirement to perform bacteriological analyses.

System ID	Small Water System	City
1900009	ADAMS RANCH MUTUAL	ROSEMEAD
1907024	AGUA DULCE FOURSQUARE CHURCH (LIVING SPRINGS)	AGUA DULCE
1900011	CAMPS SCOTT AND SCUDDER	SAUGUS
1900730	GARDENS OF PARADISE	AGUA DULCE
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900537	OAK GROVE TRAILER PARK	AGUA DULCE
1900868	RIVERS END TRAILER PARK	CANYON COUNTRY
1900057	SAINT ANDREWS ABBEY	VALYERMO
1900569	TRASK SCOUT RESERVATION-SAN GABRIEL	MONROVIA
1900914	USFS-SKYLINE PARK/MOUNT WILSON A-4	ANGELES NATIONAL FOREST
1900599	VALHALLA WATER ASSOCIATION	TUJUNGA

### B. Exceedances of the Bacteriological Standard

The DWP also issues corrective orders to small water systems for exceeding the Bacteriological Standard. During the reporting period, the DWP issued two (2) Notices of Violation and Order for bacteriological exceedances for the small water systems below.

Table 2: Small Water Systems in violation of the State's Drinking Water Standards for bacteriological levels.

System ID	Small Water System	City
1901000	GENERAL ATOMICS AERONAUTICAL-GRAY BUTTE	LANCASTER
1900700	USFS-BIG TUJUNGA STATION	TUJUNGA

Both of the listed water systems tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Further laboratory analyses confirmed that *E. coli* was absent from their water test results. Both coliform bacteria and *E. coli* have been absent in subsequent testing of these small water systems.

### C. Microbiological Treatment Requirement

Small water systems are designated as “Surface Water Systems” when they use water from streams, lakes, and open reservoirs. Similarly, small water systems are designated as “Groundwater Systems Under the Direct Influence of Surface Water” (GWUDI) when their wells are in close proximity to such features. These small water systems are required to implement multibarrier treatment. During the reporting period, the DWP maintained increased surveillance at six (6) small water systems that have previously been notified regarding their designation as Surface Water Systems or GWUDI Systems but have not completed full implementation of multibarrier treatment.

Table 3: Small Water Systems designated as Surface Water and GWUDI that have not met the microbiological treatment requirements.

System ID	Small Water System	City
1900904	ACTON CONSERVATION CAMP # 11	ACTON
1900007	CALIFORNIA CONSERVATION CAMP # 14	SAUGUS
1900901	FIRE SUPPRESSION CAMP 19	AZUSA
1900764	HENNINGER FLATS – LA COUNTY FIRE DEPT	ALTADENA
1900591	STURTEVANT CAMP, UNITED METHODIST	ANGELES NATIONAL FOREST
1900569	TRASK SCOUT RESERVATION- SAN GABRIEL	MONROVIA

The DWP is continuing to work with these water systems to develop and implement multibarrier treatment systems.

## **CHEMICAL WATER QUALITY**

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the Arsenic Standard are required to continue notification of their customers. Although State law does not require public notification for all of the following water systems, the DWP has been proactive in its response requiring public notification for all water systems within its jurisdiction. During the reporting period, the DWP maintained increased surveillance at thirteen (13) small water systems that have previously been notified regarding Arsenic levels historically exceeding the Standard (10 parts per billion).

**Table 4: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Arsenic.**

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Arsenic in their potable water supply. The DWP, in conjunction with the CDPH, is currently reviewing the proposal. An alternative water supply is being provided while the system is under review.

Big Dalton Dam (Water System 1900228), New Apostolic Church Bouquet Canyon (Water System 1907036), and Rancho Ybarra Christian Camp (Water System 1907031) have proposed systems for the treatment of Arsenic in their potable water supplies. The DWP is currently reviewing these proposals in conjunction with California Licensed Water Filtration Contractors.

#### **B. Exceedances of the Nitrate Standard**

During the reporting period, the DWP maintained increased surveillance at two (2) small water systems that have previously been identified as historically having Nitrate levels that exceed the Standard (45 parts per million). These small water systems are also required to continue notification to their customers.

**Table 5: Small Water Systems under increased surveillance for chronic exceedance of the State's Drinking Water Standard for Nitrate.**

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Nitrate in their potable water supply. The DWP is currently reviewing the

proposal in conjunction with the CDPH. An alternative water supply is being provided while the system is under review.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. The DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems.



**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**CYNTHIA A. HARDING, M.P.H.**  
Chief Deputy Director  
313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.lapublichealth.lacounty.gov](http://www.lapublichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

January 15, 2014

TO: Each Supervisor

FROM: Jonathan E. Fielding, M.D., M.P.H. *JEF*  
Director and Health Officer

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING OF  
SMALL WATER SYSTEMS**

On November 29, 2011, on a motion by Supervisor Michael D. Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its water quality monitoring of small water systems. Attached is the quarterly report covering the period July 1 through September 31, 2013. The report summarizes water quality findings in small water systems throughout the County and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

Our next quarterly report will be provided to the Board in February 2014. If you should have any questions in the interim, please let me know.

JEF:rl  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

**Quarterly Report on Water Quality Monitoring for  
Small Water Systems in Los Angeles County**

**July 1 through September 31, 2013**

County of Los Angeles  
Department of Public Health  
Environmental Health Division  
January 2014

BOARD OF SUPERVISORS  
COUNTY OF LOS ANGELES

2014 JAN 21 PM 3:59

FILED

## BACKGROUND

On July 13, 2010, the Los Angeles County Board of Supervisors instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of Arsenic, Total Chromium, Hexavalent Chromium (chromium+6), and Lead as a follow-up study to an earlier study published on February 14, 2001.

The Los Angeles County Department of Public Health (DPH) Drinking Water Program (DPH-DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DPH-DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies, and to report monitoring results to the DPH-DWP at frequencies established by the CDPH. Failure to take water samples or to properly report sampling data constitutes a violation of State law enforceable by the DPH-DWP.

When water quality test results indicate that either (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DPH-DWP works with the CDPH to enforce State law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DPH-DWP continues to educate and work with the water system regarding the installation of treatment systems, as well as the consideration of new water sources. Additionally, the DPH-DWP works with system operators in applying for financial assistance from the CDPH to address identified violations.

On November 29, 2011, the Board instructed DPH to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period July 1 through September 31, 2013.

## BACTERIOLOGICAL/MICROBIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DPH-DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State law. The DPH-DWP issued Notices of Violation and Order to seven water systems for lapses in bacteriological sampling during the reporting period.

Table 1: Small Water Systems in Violation of State Requirements to Perform Bacteriological Analyses.

System ID	Small Water System	City
1907024	AGUA DULCE FOURSQUARE CHURCH (LIVING SPRINGS)	AGUA DULCE
1900794	ANTELOPE PARK MUTUAL WATER COMPANY	LANCASTER
1907023	The CHURCH OF HOPE of SANTA CLARITA VALLEY	SAUGUS
1900612	COLBY RANCH-UNITED METHODIST CAMP	PALMDALE
1900730	GARDENS OF PARADISE PARK	AGUA DULCE
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1900868	RIVERS END TRAILER PARK	CANYON COUNTRY

The DPH-DWP has notified each water system to ensure that water samples are collected immediately. The DPH-DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

The Rivers End Water System has not been in compliance with the State Drinking Water Standards for more than two years. As a precaution, the DPH-DWP has issued a Notice of Violation to the owners of the system for non-compliance. Since there are tenants living on-site, DPH-DWP has directed the facility to post a Public Notice (Do Not Drink) informing the residents not to drink the water. Additionally, the DPH-DWP revoked the water system's operating permit in December 2013. The Los Angeles County Department of Regional Planning is reviewing the water system's Conditional Use Permit and an Administrative Hearing is scheduled in 2014.

This facility has remained on the Quarterly Water Quality Report since ownership was changed for the water system without a complete Water Supply Permit application being submitted to DPH. DPH-DWP has issued a precautionary Boil Water Notice while the facility continues to operate illegally and water samples are not collected.

### B. Exceedances of the Bacteriological Standard

The DPH-DWP also issues corrective orders to small water systems for exceeding the State's Bacteriological Standard. The DPH-DWP issued five Notices of Violation and Order for bacteriological exceedances during the reporting period.

Table 2: Small Water Systems in Violation of the State's Drinking Water Standards for Bacteriological Levels.

System ID	Small Water System	City
1907020	FIRE CAMP 9	SANTA CLARITA
1900639	HALLELUJAH PRAYER CENTER	LAKE VIEW TERRACE
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900583	USFS-JACKSON LAKE V-4	WRIGHTWOOD

All five water systems initially tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Follow-up analyses did not detect the presence of *E. coli*, and neither coliform bacteria nor *E. coli* have been detected in subsequent testing of these small water systems.

### C. Microbiological Treatment Requirement

Small water systems are designated as "Surface Water Systems" when they use water from streams, lakes, and open reservoirs. Similarly, small water systems are designated as "Groundwater Systems Under the Direct Influence of Surface Water" (GWUDI) when their wells are in close proximity to such features.

These small water systems are required to implement "multibarrier treatment," an enhanced preventative measure against potential contamination. During the reporting period, the DPH-DWP maintained increased surveillance at six small water systems that have previously been notified regarding their designation as Surface Water Systems or GWUDI Systems but have not completed full implementation of multibarrier treatment.

Table 3: Small Water Systems Designated as Surface Water and GWUDI That Have Not Met the Microbiological Treatment Requirements.

System ID	Small Water System	City
1900904	ACTON CONSERVATION CAMP 11	ACTON
1900007	CALIFORNIA CONSERVATION CAMP 14	SAUGUS
1900901	FIRE SUPPRESSION CAMP 19	AZUSA
1900764	HENNINGER FLATS – LA COUNTY FIRE DEPT	ALTADENA
1900591	STURTEVANT CAMP, UNITED METHODIST	ANGELES NATIONAL FOREST
1900569	TRASK SCOUT RESERVATION- SAN GABRIEL	MONROVIA

The DPH-DWP is continuing to work with these water systems to develop and implement multibarrier treatment systems.

Trask Scout Reservation–San Gabriel (Water System 1900569) collects water from a stream as its only supply of potable water. The United States Environmental Protection Agency (US EPA) has determined that Trask Scout Reservation has not met the required frequency for monitoring the water supply for *E. coli*, a potential pathogen also used as an indicator for other pathogens. The DPH-DWP has been working with the US EPA and the CDPH on issuing enforcement actions to bring Trask Scout Reservation into compliance with Federal and State regulations.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the State's Arsenic Standard are required to continue notification of their customers. During the reporting period, the DPH-DWP maintained increased surveillance at thirteen small water systems that have previously been notified regarding Arsenic levels historically exceeding the State Standard (10 parts per billion).

Table 4: Small Water Systems Under Increased Surveillance for Chronic Exceedance of the State's Drinking Water Standard for Arsenic.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Arsenic in their potable water supply. The DPH-DWP is currently reviewing the proposal in conjunction with the CDPH. An alternative water supply is being provided while the system is under review.

Big Dalton Dam (Water System 1900228), New Apostolic Church Bouquet Canyon (Water System 1907036), and Rancho Ybarra Christian Camp (Water System 1907031) have proposed treatment plans for Arsenic in their potable water supplies which are currently under review by the DPH-DWP. Since the water treatment proposals require additional information, DPH-DWP has extended the review period until June 2014 and will continue to work with all three water systems until final approval. In the interim, DPH-DWP has directed the facility to post a Public Notice informing the members of the church about the elevated levels of Arsenic and Nitrate.

### B. Exceedances of the Nitrate Standard

During the reporting period, the DPH-DWP maintained increased surveillance at two small water systems that have previously been notified regarding Nitrate levels historically exceeding the State Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

Table 5: Small Water Systems under Increased Surveillance for Chronic Exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Nitrate in their potable water supply. The DPH-DWP is currently reviewing the proposal in conjunction with the CDPH. An alternative water supply is being provided while the system is under review.

Since the water treatment proposals require additional information, DPH-DWP has extended the review period until June 2014 and will continue to work with the church until final approval. In the interim, DPH-DWP has directed the facility to post a Public Notice informing the members of the church about the elevated levels of Arsenic and Nitrate.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. Since the water treatment system did not pass the required monitoring period, the water company was required to complete modifications to the system and continue Nitrate sampling until June 2014. The DPH-DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems. It is DPH-DWP's expectation that the water system will complete the evaluation period by June 2014.

## SUMMARY

Seven small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. Five small water systems were cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at six small water systems designated as Surface Water and GWUDI. Increased surveillance and public notification continued at thirteen small water systems with historical Arsenic exceedances. Increased surveillance and public notification continued at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the October through December quarter will be completed in late January 2014. The DPH-DWP will provide the report for that quarter on February 28, 2014.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.





COUNTY OF LOS ANGELES  
**Public Health**

**JONATHAN E. FIELDING, M.D., M.P.H.**  
Director and Health Officer

**CYNTHIA A. HARDING, M.P.H.**  
Chief Deputy Director  
313 North Figueroa Street, Room 806  
Los Angeles, California 90012  
TEL (213) 240-8117 • FAX (213) 975-1273

[www.lapublichealth.lacounty.gov](http://www.lapublichealth.lacounty.gov)



**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Mark Ridley-Thomas**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

May 13, 2014

TO: Each Supervisor *JEF*

FROM: Jonathan E. Fielding, M.D., M.P.H.  
Director and Health Officer

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING OF  
SMALL WATER SYSTEMS**

On November 29, 2011, on a motion by Supervisor Michael D. Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its water quality monitoring of small water systems. Attached is the quarterly report covering the period October 1 through December 31, 2013. The report summarizes water quality findings in small water systems throughout the County and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

Our next quarterly report will be provided to your Board in June 2014. In the meantime, if you have any questions or need additional information, please let me know.

JEF:rl  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

# **Quarterly Report on Water Quality Monitoring for Small Water Systems in Los Angeles County**

**October 1 through December 31, 2013**

## **BACKGROUND**

On July 13, 2010, the County of Los Angeles Board of Supervisors (Board) instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of Arsenic, Total Chromium, Hexavalent Chromium (chromium+6), and Lead as a follow-up study to an earlier study published on February 14, 2001.

The Los Angeles County Department of Public Health Drinking Water Program (DPH-DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DPH-DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies, and to report monitoring results to the DPH-DWP at frequencies established by the CDPH. Failure to take water samples or to properly report sampling data constitutes a violation of State law enforceable by the DPH-DWP.

When water quality test results indicate that either (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DPH-DWP works with the CDPH to enforce State law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DPH-DWP continues to educate and work with the water system regarding the installation of treatment systems, as well as the consideration of new water sources. Additionally, the DPH-DWP works with system operators in applying for financial assistance from the CDPH to address identified violations.

On November 29, 2011, the Board instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period October 1 through December 31, 2013.

## BACTERIOLOGICAL/MICROBIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DPH-DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State law. The DPH-DWP issued Notices of Violation and Order to three water systems for lapses in bacteriological sampling during the reporting period.

Table 1: Small Water Systems in Violation of State Requirements to Perform Bacteriological Analyses.

System ID	Small Water System	City
1907015	KIRK BUSINESS CENTER	AGUA DULCE
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1900057	SAINT ANDREWS ABBEY	VALYERMO

The DPH-DWP has notified each water system to ensure that water samples are collected immediately. The DPH-DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

The New Apostolic Church has been notified of the change to their sampling frequency from quarterly to monthly.

### B. Exceedances of the Bacteriological Standard

The DPH-DWP also issues corrective orders to small water systems for exceeding the State's Bacteriological Standard. The DPH-DWP issued six Notices of Violation and Order for bacteriological exceedances during the reporting period.

Table 2: Small Water Systems in Violation of the State's Drinking Water Standards for Bacteriological Levels.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900992	BIG OAKS LODGE	SAUGUS
1900075	BLEICH FLATS MUTUAL	LANCASTER
1900817	CLEAR SKIES MOBILE HOME RANCH	LANCASTER
1907018	* SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900976	THE OAKS	LAKE HUGHES

All six water systems initially tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Follow-up analyses did not detect the presence of *E. coli*, and neither coliform bacteria nor *E. coli* have been detected in subsequent testing of these small water systems.

\*Note: Follow-up analysis for coliform bacteria has tested positive at the Summerhill Equestrian Center but not for *E. coli*. As a result, an Administrative Hearing was held on January 07, 2014 for the repeated test results.

### C. Microbiological Treatment Requirement

Small water systems are designated as “Surface Water Systems” when they use water from streams, lakes, and open reservoirs. Similarly, small water systems are designated as “Groundwater Systems Under the Direct Influence of Surface Water” (GWUDI) when their wells are in close proximity to such features.

These small water systems are required to implement “multibarrier treatment,” an enhanced preventative measure against potential contamination. During the reporting period, the DPH-DWP maintained increased surveillance at six small water systems that have previously been notified regarding their designation as Surface Water Systems or GWUDI Systems but have not completed full implementation of multibarrier treatment.

Table 3: Small Water Systems Designated as Surface Water and GWUDI That Have Not Met the Microbiological Treatment Requirements.

System ID	Small Water System	City
1900904	ACTON CONSERVATION CAMP 11	ACTON
1900007	CALIFORNIA CONSERVATION CAMP 14	SAUGUS
1900901	FIRE SUPPRESSION CAMP 19	AZUSA
1900764	HENNINGER FLATS – LA COUNTY FIRE DEPT	ALTADENA
1900591	STURTEVANT CAMP, UNITED METHODIST	ANGELES NATIONAL FOREST
1900569	TRASK SCOUT RESERVATION- SAN GABRIEL	MONROVIA

The DPH-DWP is continuing to work with these water systems to develop and implement multibarrier treatment systems.

Trask Scout Reservation–San Gabriel (Water System 1900569) collects water from a stream as its only supply of potable water. Trask Scout Reservation has not met the required frequency for monitoring the water supply for *E. coli*, a potential pathogen also used as an indicator for other pathogens. The DPH-DWP has been working with the United States Environmental Protection Agency (US EPA) and the CDPH on issuing enforcement actions to bring Trask Scout Reservation into compliance with Federal and State regulations.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the State's Arsenic Standard are required to continue notification of their customers. During the reporting period, the DPH-DWP maintained increased surveillance at thirteen small water systems that have previously been notified regarding Arsenic levels historically exceeding the State Standard (10 parts per billion).

Table 4: Small Water Systems Under Increased Surveillance for Chronic Exceedance of the State's Drinking Water Standard for Arsenic.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900228	BIG DALTON DAM	GLENDORA
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Arsenic in their potable water supply. The DPH-DWP is currently reviewing the proposal in conjunction with the CDPH. An alternative water supply is being provided while the system is under review.

Big Dalton Dam (Water System 1900228), New Apostolic Church Bouquet Canyon (Water System 1907036), and Rancho Ybarra Christian Camp (Water System 1907031) have proposed treatment plans for Arsenic in their potable water supplies which are currently under review by the DPH-DWP. Since the water treatment proposals require additional information, DPH-DWP has extended the review period until June 2014 and will continue to work with all three water systems until final approval. In the interim, DPH-DWP has directed these facilities to post Public Notices informing consumers of the elevated levels of Arsenic.

### B. Exceedances of the Nitrate Standard

During the reporting period, the DPH-DWP maintained increased surveillance at two small water systems that have previously been notified regarding Nitrate levels

historically exceeding the State Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

Table 5: Small Water Systems under Increased Surveillance for Chronic Exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Nitrate in their potable water supply. The DPH-DWP is currently reviewing the proposal in conjunction with the CDPH. Since the water treatment proposals require additional information, DPH-DWP has extended the review period until June 2014 and will continue to work with the church until final approval. In the interim, DPH-DWP has directed the facility to post a Public Notice informing the members of the church about the elevated levels of Nitrate and an alternative water supply is being provided while the system is under review.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. Since the water treatment system did not pass the required monitoring period, the water company was required to complete modifications to the system and continue Nitrate sampling until June, 2014. The DPH-DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems. It is DPH-DWP's expectation that the water system will complete the evaluation period by June 2014.

## SUMMARY

Three small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. Six small water systems were cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at six small water systems designated as Surface Water and GWUDI. Increased surveillance and public notification continued at thirteen small water systems with historical Arsenic exceedances. Increased surveillance and public notification continued at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the January through March quarter will be completed in late April 2014. The DPH-DWP will provide the report for that quarter in June 2014.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.



CYNTHIA A. HARDING, M.P.H.  
Interim Director

JEFFREY D. GUNZENHAUSER, M.D., M.P.H.  
Interim Health Officer

313 North Figueroa Street, Room 708  
Los Angeles, California 90012  
TEL (213) 240-8156 • FAX (213) 481-2739

[www.publichealth.lacounty.gov](http://www.publichealth.lacounty.gov)

BOARD OF SUPERVISORS

Gloria Molina  
First District

Mark Ridley-Thomas  
Second District

Zev Yaroslavsky  
Third District

Don Knabe  
Fourth District

Michael D. Antonovich  
Fifth District

November 5, 2014

TO: Each Supervisor

FROM: Cynthia A. Harding, M.P.H.  
Interim Director

A handwritten signature in dark ink, appearing to read "Cynthia A. Harding". The signature is fluid and cursive, written over the printed name and title.

SUBJECT: **QUARTERLY REPORT – WATER QUALITY MONITORING OF SMALL WATER SYSTEMS**

On November 29, 2011, on a motion by Supervisor Michael D. Antonovich, the Department of Public Health (DPH) was instructed to provide quarterly reports on its water quality monitoring of small water systems in Los Angeles County. Attached is the quarterly report covering the period April 1 through June 30, 2014. The report summarizes water quality findings in small water systems throughout the County and outlines the actions taken by the DPH Environmental Health Division in response to these findings.

Our next quarterly report will be provided to the Board in January 2015. In the meantime, if you have any questions or need additional information, please let me know.

CAH:rl  
PH:1111:009

Attachment

c: Chief Executive Officer  
County Counsel  
Executive Officer, Board of Supervisors

# **Quarterly Report on Water Quality Monitoring for Small Water Systems in Los Angeles County**

**April 1 through June 30, 2014**

## **BACKGROUND**

On July 13, 2010, the County of Los Angeles Board of Supervisors (Board) instructed the Environmental Toxicology Laboratory of the Department of Agricultural Commissioner/Weights and Measures to conduct an expanded study of the small well water facilities in the County of Los Angeles to determine the presence of Arsenic, Total Chromium, Hexavalent Chromium (chromium+6), and Lead as a follow-up study to an earlier study published on February 14, 2001.

The Los Angeles County Department of Public Health Drinking Water Program (DPH-DWP) serves as the local enforcement agency for California's Drinking Water Standards applicable to "small water systems" in Los Angeles County. A small water system is defined by the California Department of Public Health (CDPH) as a system that has less than 200 service connections. The DPH-DWP currently inspects 180 small water systems within the County.

Operators of each small water system are required to complete bacteriological and chemical analyses of their potable water supplies, and to report monitoring results to the DPH-DWP at frequencies established by the CDPH. Failure to take water samples or to properly report sampling data constitutes a violation of State law enforceable by the DPH-DWP.

When water quality test results indicate that either (a) the system does not meet State Drinking Water Standards, or (b) an immediate health risk is present, the water system operator is required to: 1) notify consumers immediately, and 2) take corrective action to achieve compliance with State Drinking Water Standards. When the level of a chemical contaminant exceeds ten times the State Drinking Water Standard, the operator must discontinue water service and provide an alternative source of drinking water to consumers.

The DPH-DWP works with the CDPH to enforce State law and to assist the water system in addressing violations for any chemical contaminant exceeding the State's Drinking Water Standards. Once a Notice of Violation is issued and consumers are notified of the exceedance, the water system is placed under increased surveillance while public notices continue to be posted. The DPH-DWP continues to educate and work with the water system regarding the installation of treatment systems, as well as the consideration of new water sources. Additionally, the DPH-DWP works with system operators in applying for financial assistance from the CDPH to address identified violations.

On November 29, 2011, the Board instructed the County of Los Angeles Department of Public Health to prepare quarterly reports on water quality monitoring in order for the Board to stay informed of current water quality issues. This report covers the period April 1 through June 30, 2014.

FILED

## BACTERIOLOGICAL/MICROBIOLOGICAL WATER QUALITY

### A. Bacteriological Sampling Requirement

The DPH-DWP issues corrective orders to small water systems for failing to perform bacteriological analyses at the frequency required by State law. The DPH-DWP issued Notices of Violation and Order to eight water systems for lapses in bacteriological sampling during the reporting period.

Table 1: Small Water Systems in Violation of State Requirements to Perform Bacteriological Analyses.

System ID	Small Water System	City
1900552	ANGELES CREST CHRISTIAN CAMP	ANGELES NATIONAL FOREST
1900080	CAMP COULTER PINES (SOUTH ELK)	WRIGHTWOOD
1900612	COLBY RANCH-UNITED METHODIST CAMP	PALMDALE
1900730	GARDENS OF PARADISE PARK	AGUA DULCE
1900726	LA COUNTY PROBATION CAMP KARL HOLTON	SAN FERNANDO
1900864	NEWCOMB'S RANCH INN	ANGELES NATIONAL FOREST
1900244	PYRAMID LAKE RV RECREATION RANCH	GORMAN
1900057	ST ANDREWS ABBEY	VALYERMO

The DPH-DWP has notified each water system to ensure that water samples are collected immediately. The DPH-DWP continues to educate and provide assistance when financially disadvantaged water systems are unable to test their water.

Information regarding lapses in bacteriological monitoring at the Gardens of Paradise Park water system was provided to the Los Angeles County Department of Regional Planning for consideration as a breach of condition of the water system's operating permit.

### B. Exceedances of the Bacteriological Standard

The DPH-DWP also issues corrective orders to small water systems for exceeding the State's Bacteriological Standard. The DPH-DWP issued three Notices of Violation and Order for bacteriological exceedances during the reporting period.

Table 2: Small Water Systems in Violation of the State's Drinking Water Standards for Bacteriological Levels.

System ID	Small Water System	City
1900061	AGUA DULCE WOMEN'S CLUB	AGUA DULCE
1900942	ALPINE SPRINGS MOBILE HOME PARK	PALMDALE
1900576	USFS MONTE CRISTO CAMP	PALMDALE

All three water systems initially tested positive for coliform bacteria, an indicator used to signal the potential presence of *E. coli*, a potential pathogen. Follow-up analyses did not detect the presence of *E. coli*, and neither coliform bacteria nor *E. coli* have been detected in subsequent testing of these small water systems.

An Administrative Hearing was held on July 2, 2014, for the repeated presence of coliform bacteria in the Alpine Springs Mobile Home Park water system.

### C. Microbiological Treatment Requirement

Small water systems are designated as “Surface Water Systems” when they use water from streams, lakes, and open reservoirs. Similarly, small water systems are designated as “Groundwater Systems Under the Direct Influence of Surface Water” (GWUDI) when their wells are in close proximity to such features.

These small water systems are required to implement “multibarrier treatment,” an enhanced preventative measure against potential contamination. During the reporting period, the DPH-DWP maintained increased surveillance at six small water systems that have previously been notified regarding their designation as Surface Water Systems or GWUDI Systems but have not completed full implementation of multibarrier treatment.

Table 3: Small Water Systems Designated as Surface Water and GWUDI That Have Not Met the Microbiological Treatment Requirements.

<b>System ID</b>	<b>Small Water System</b>	<b>City</b>
1900904	ACTON CONSERVATION CAMP 11	ACTON
1900007	CALIFORNIA CONSERVATION CAMP 14	SAUGUS
1900901	FIRE SUPPRESSION CAMP 19	AZUSA
1900764	HENNINGER FLATS – LA COUNTY FIRE DEPT	ALTADENA
1900591	STURTEVANT CAMP, UNITED METHODIST	ANGELES NATIONAL FOREST
1900569	TRASK SCOUT RESERVATION- SAN GABRIEL	MONROVIA

The DPH-DWP is continuing to work with these water systems to develop and implement multibarrier treatment systems.

Trask Scout Reservation–San Gabriel (Water System 1900569) collects water from a stream as its only supply of potable water. Trask Scout Reservation has not met the required frequency for monitoring the water supply for *E. coli*, a potential pathogen also used as an indicator for other pathogens. The DPH-DWP has been working with the United States Environmental Protection Agency (US EPA) and the CDPH on issuing enforcement actions to bring Trask Scout Reservation into compliance with Federal and State regulations.

## CHEMICAL WATER QUALITY

### A. Exceedances of the Arsenic Standard

Small water systems that have had chronic exceedances of the State's Arsenic Standard are required to continue notification of their customers. During the reporting period, the DPH-DWP maintained increased surveillance at thirteen small water systems that have previously been notified regarding Arsenic levels historically exceeding the State Standard (10 parts per billion).

Table 4: Small Water Systems Under Increased Surveillance for Chronic Exceedance of the State's Drinking Water Standard for Arsenic.

<b>System ID</b>	<b>Small Water System</b>	<b>City</b>
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1900305	CHALLENGER MEMORIAL YOUTH CAMP	LANCASTER
1900038	LANCASTER PARK MOBILE HOME PARK	LANCASTER
1900100	METTLER VALLEY MUTUAL	LANCASTER
1900785	MITCHELL'S AVENUE E MOBILE HOME PARK	LANCASTER
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS
1907007	NORTH HOLLYWOOD SPORTSMEN'S CLUB	SAUGUS
1907031	RANCHO YBARRA CHRISTIAN CAMP	TUJUNGA
1907018	SUMMERHILL EQUESTRIAN CENTER	SAUGUS
1900987	U.S. FOREST SERVICE OAK FLATS S-13	CASTAIC
1900520	VILLAGE MOBILE HOME PARK	LANCASTER
1900961	WINTERHAVEN MOBILE ESTATES	LANCASTER

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Arsenic in their potable water supply. Since the water treatment proposals require additional information, DPH-DWP has extended the review period until December 2014 and will continue to work with the church until final approval. An alternative water supply is being provided while the system is under review.

Big Dalton Dam (Water System 1900228) has completed the water treatment evaluation and monitoring period which complies with the State Drinking Water Standards. Both the New Apostolic Church Bouquet Canyon (Water System 1907036) and the Rancho Ybarra Christian Camp (Water System 1907031) facilities have installed approved water treatment systems but modification to the systems will require extending the DPH-DWP's review of the overall systems' efficacy for Arsenic reduction until December 2014.

Since the water treatment proposals and system efficacy require additional information, DPH-DWP has extended the review period until December 2014 and will continue to work with all three water systems until final approval. In the interim, DPH-DWP has directed these facilities to post Public Notices informing consumers of the elevated levels of Arsenic.

## B. Exceedances of the Nitrate Standard

During the reporting period, the DPH-DWP maintained increased surveillance at two small water systems that have previously been notified regarding Nitrate levels historically exceeding the State Standard (45 parts per million). These small water systems are also required to continue notification of their customers.

Table 5: Small Water Systems under Increased Surveillance for Chronic Exceedance of the State's Drinking Water Standard for Nitrate.

System ID	Small Water System	City
1900894	ACTON FOUR SQUARE CHURCH	ACTON
1907036	NEW APOSTOLIC CHURCH BOUQUET CANYON	SAUGUS

Acton Foursquare Church (Water System 1900894) has proposed a system for the treatment of Nitrate in their potable water supply. The DPH-DWP is currently reviewing the proposal in conjunction with the CDPH. Since the water treatment proposals require additional information, DPH-DWP has extended the review period until December 2014 and will continue to work with the church until final approval. In the interim, DPH-DWP has directed the facility to post a Public Notice informing the members of the church about the elevated levels of Nitrate and an alternative water supply is being provided while the system is under review.

New Apostolic Church Bouquet Canyon (Water System 1907036) has installed a system for the treatment of Nitrate in their potable water supply. Since the water treatment system did not pass the required monitoring period, the water company was required to complete modifications to the system and continue Nitrate sampling for additional six months until December 2014. The DPH-DWP will maintain increased surveillance of their water quality until the treatment system has demonstrated efficacy throughout the pilot monitoring period required of newly-installed treatment systems. It is DPH-DWP's expectation that the water system will complete the evaluation period by December 2014.

### SUMMARY

Eight small water systems were cited during the reporting period for failing to perform the necessary bacteriological analyses. Three small water systems were cited for exceeding the Bacteriological Standard during this period. Increased surveillance and public notification continued at six small water systems designated as Surface Water and GWUDI. Increased surveillance and public notification continued at twelve small water systems with historical Arsenic exceedances. Increased surveillance and public notification continued at two small water systems with historical Nitrate exceedances.

The laboratory analysis of water samples taken during the July through September 2014 quarter will be completed soon. The DPH-DWP will provide the report for that quarter in January 2015.

For questions or for further information, please contact Richard Lavin, Chief of the Drinking Water Program, at (626) 430-5420.